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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Douglas J. Miller  
Serial No.: 10/792,097  
Filed: March 3, 2004  
For: Induction Furnace for High Temperature Operation  
Group Art Unit: 3,742  
Examiner: Unknown  
Attorney's Docket No. P2015-1/N1203  
Customer No. 23456

**POWER OF ATTORNEY BY ASSIGNEE**

Pursuant to the provisions of 37 C.F.R. §§ 3.71 and 3.73(b), the undersigned Assignee of record of the entire right, title, and interest in the above identified application, by virtue of an assignment submitted concurrently herewith, elects to conduct the prosecution of the application to the exclusion of the named inventors. The undersigned declares that he is an officer of the Assignee and has reviewed the above referenced assignment and declares that, to the best of his knowledge, title is in the name of the Assignee UCAR Carbon Company, Inc.

UCAR Carbon Company, Inc. hereby revokes all Powers of Attorney which have previously been issued. A new Power of Attorney is hereby issued. Accordingly, UCAR Carbon Company, Inc. appoints:

The practitioners associated with Customer Number **23456**.

I.C. Waddey, Jr. (Reg. No. 25,180)  
Mark J. Patterson (Reg. No. 30,412)  
Edward D. Lanquist, Jr. (Reg. No. 33,729)  
Lucian Wayne Beavers (Reg. No. 28,183)  
James R. Cartiglia (Reg. No. 30,738)  
Emily A. Shouse (Reg. No. 44,336)  
Larry W. Brantley (Reg. No. 46,052)  
Martha B. Allard (Reg. No. 36,730)  
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as its attorneys to prosecute the application identified above, and to transact all business in the U.S. Patent and Trademark Office connected therewith

Please direct all correspondence and telephone calls to James R. Cartiglia at the address and telephone number listed above.

Date: \_\_\_\_\_

UCAR Carbon Company, Inc.

By: Karen N. Narwold  
Karen Narwold  
VP and General Counsel

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this Power of Attorney is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

James R. Cartiglia

[Signature]  
Registration No. 30,738

9/22/04  
Date